

Clinical characteristic		Description
Tumor size	T1,T2,T3	Pathological tumor size
Lymph node status	Pos, neg, NA (not available)	Pathological pN, scored as positive when metastasis are present in at least one lymph node
Estrogen receptor	Pos, neg	Evaluated by immunohistochemistry using the ER antibody from Dako (clone EP1) and scored as positive when more than 10% nuclei resulted positive
Progesteron receptor	Pos, neg	Evaluated by immunohistochemistry using the pGR antibody from Dako (clone PGR-636) and scored as positive when more than 10% nuclei resulted positive
Grade	I,II,III	Evaluated according to Nottingham grading system
Clinical Dimensions	mm	Tumor size (mm) as evaluated by clinician
Ki67	%	Percentage of Ki67 positive nuclei

All primary tumors were scored 3+ by immunohistochemistry using the Herceptest or 2+/FISH-positive (considered when HER2/CEN-17 ratio was higher than 2.2).